

Rat PTK7/CCK4 Protein

Cat. No. CCK-RM104

Description

Source	Recombinant Rat PTK7/CCK4 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Ala23-Thr696.
Accession	A0A8I6AKN3
Molecular Weight	The protein has a predicted MW of 75.95 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	>95% as determined by Bis-Tris PAGE >95% as determined by HPLC

Formulation and Storage

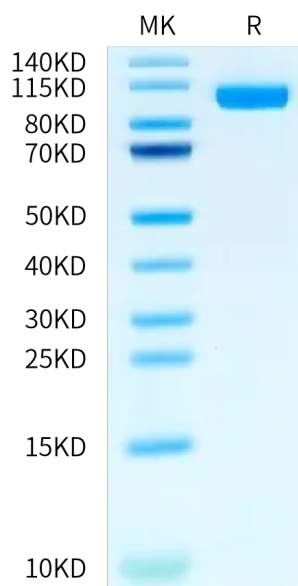
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Protein Tyrosine Kinase 7 (PTK7) is a critical regulator of canonical and non-canonical Wnt-signaling during embryonic development and cancer cell formation. Disrupting PTK7 activity perturbs vertebrate nervous system development, and also promotes human cancer formation. Observations in different model systems suggest a complex cross-talk between PTK7 protein and Wnt signaling.

Assay Data

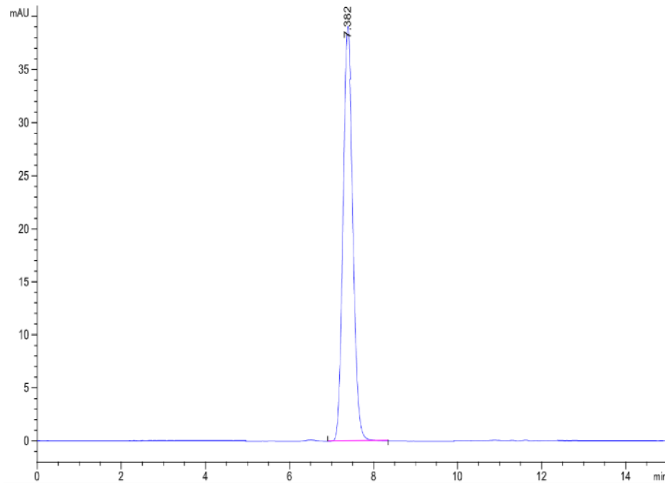
Bis-Tris PAGE



Rat PTK7 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Rat PTK7 is greater than 95% as determined by SEC-HPLC.